Attorney Docket No. 5077-000059

Declaration and Power of Attorney for Patent Application (English Language Declaration)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

INFRARED IMAGING DEVICE, VEHICLE HAVING THE SAME INSTALLED THEREIN, AND INFRARED IMAGE ADJUSTMENT DEVICE

the specification of which (check one)

[ ] is attached hereto.

[X] was filed on January 13, 2000 as United States Application No. or PCT International Application Number PCT/JP00/00116 and was amended on March 16, 2001 (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designed at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

			Priority Not Claimed
11-7636 (Number)	JAPAN (Country)	14/01/1999 (Day/Month/Year filed)	
(Number)	(Country)	(Day/Month/Year filed)	
(Number)	(Country)	(Day/Month/Year filed)	

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial Number)	(Filing Date)
(Application Serial Number)	(Filing Date)
(Application Serial Number)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C.F.R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

Application Serial No.	**Filing Date**	**Status – patented, pending, abandoned**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecut this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Send Correspondence to: Customer No. 27572
Harness, Dickey & Pierce, P.L.C.

Gregory A. Stobbs

Direct Telephone Calls to: *(name and telephone number)*

Gregory A. Stobbs (248) 641-1600

Full name of sole or first inventor: Tsuyoshi MEKATA

Inventor's signature: Tsuyoshi Mekata

Date: July 4, 2001

Residence: Osaka, Japan

Citizenship: Japan

Post Office Address: 8-18-16, Kisabe, Katano-shi, Osaka 576-0052, Japan

Full name of second joint inventor, if any: Taro IMAGAWA

Second Inventor's signature: Taro Imagawa

Date: July 4, 2001

Residence: Osaka, Japan

Citizenship: Japan

Post Office Address: 1-9-5-102, Nasuzukuri, Hirakata-shi, Osaka 573-0071, Japan

Full nam of third joint inv ntor, if any: Koji MORIKAWA

Third Inventor's signature: Koji Morikawa

Date: July 4, 2001

Residence: Osaka, Japan

Citizenship: Japan

Post Office Address: 5-5-101, Myokenzaka, Katano-shi, Osaka 576-0021, Japan

Full name of fourth joint inventor, if any:

Fourth Inventor's signature:

Date:

Residence:

Citizenship:

Post Office Address:

Full name of fifth joint inventor, if any:

Fifth Inventor's signature:

Date:

Residence:

Citizenship:

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	Not yet assigned
Filing Date:	Herewith
Applicant:	Tsuyoshi Mekata et al.
Group Art Unit:	Not yet assigned
Examiner:	Not yet assigned
Title:	Infrared Imaging Device, Vehicle Having the Same Installed Therein, and Infrared Image Adjustment Device
Attorney Docket:	5077-000059/DVA

Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

REFERENCE TO RECORDED ASSIGNMENT
OF ORIGINAL APPLICATION

This application is a divisional application of U.S. Application No. 09/889,443. A prior assignment of the original application is recorded in the U.S. Patent and Trademark Office at Reel 012369, Frame 0739 and a copy of the assignment is provided herewith. This assignment recorded against the original application gives the assignee rights to the subject matter common to both applications.

Respectfully submitted,

Dated: Oct 13, 2003

By: _____
Gregory A. Stobbs
Reg. No. 28,764

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

UNITED STATES PATENT AND TRADEMARK OFFICE

077-000059 vGAS

FEBRUARY 07, 2002

PTAS

HARNESS, DICKEY & PIERCE, P.L.C.
GREGORY A. STOBBS
P.O. BOX 828
BLOOMFIELD HILLS, MI 48303

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

101918332A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/05/2001

REEL/FRAME: 012369/0739
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MEKATA, TSUYOSHI

DOC DATE: 07/04/2001

ASSIGNOR:
IMAGAWA, TARO

DOC DATE: 07/04/2001

ASSIGNOR:
MORIKAWA, KOJI

DOC DATE: 07/04/2001

ASSIGNEE:
MATSUSHITA ELECTRIC INDUSTRIAL
CO., LTD.
1006, OAZA KADOMA
KADOMA-SHI
OSAKA, JAPAN 571-8501

SERIAL NUMBER: 09889443
PATENT NUMBER:

FILING DATE: 07/12/2001
ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

12-17-2001

U.S. Department of Commerce
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PATENT

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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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- [ ] Other

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- [ ] Departmental File
- [ ] Secret File

Conveying Party(ies)

[x] Mark if additional names of conveying parties attached

Name (line 1): Tsuyoshi MEKATA — Execution Date: Month 07 Day 04 Year 2001

Name (line 2):

Second Party

Name (line 1): Taro IMAGAWA — Execution Date: Month 07 Day 04 Year 2001

Name (line 2):

Receiving Party

[ ] Mark if additional names of receiving parties attached

Name (line 1): Matsushita Electric Industrial Co., Ltd.

Name (line 2):

Address (line 1): 1006, Oaza Kadoma

Address (line 2): Kadoma-shi

Address (line 3): Osaka (City) JAPAN (State/Country) 571-8501 (Zip Code)

[ ] If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. *(Designation must be a separate document from Assignment.)*

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name:

Address (line 1):

Address (line 2):

Address (line 3):

Address (line 4):

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

09/889443

12 JUL 2001

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Expires 06/30/99
OMB 0651-0027

Page 2

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Correspondent Name and Address Area Code and Telephone Number 248-641-1600

Name: Gregory A. Stobbs

Address (line 1): Harness, Dickey & Pierce, P.L.C.

Address (line 2): P.O. Box 828

Address (line 3): Bloomfield Hills, MI 48303

Address (line 4):

Pages

Enter the total number of pages of the attached conveyance document including any attachments # 2

Application Number(s) or Patent Number(s) ☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)	Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month 07 Day 04 Year 2001

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT JP00/00116 PCT PCT

PCT PCT PCT

Number of Properties

Enter the total number of properties involved. # 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): $ 40

Method of Payment: Enclosed ☒ Deposit Account ☐

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 08-0750

Authorization to charge additional fees: Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Gregory A. Stobbs	Gregory Stobbs	July 12, 2001
Name of Person Signing	Signature	Date

09/889443

JC03 Rec'd PCT/PTC 12 JUL 2001

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Expires 06/30/99
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Patent and Trademark Office
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C nveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1): Koji MORIKAWA
Execution Date (Month Day Year): 07 04 2001

Name (line 2):

Name (line 1):
Execution Date (Month Day Year):

Name (line 2):

Name (line 1):
Execution Date (Month Day Year):

Name (line 2):

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

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Name (line 2):

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		

Attorney Docket No. 5077-000059

ASSIGNMENT

WHEREAS, Tsuyoshi MEKATA, Taro IMAGAWA, Koji MORIKAWA (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in INFRARED IMAGING DEVICE, VEHICLE HAVING THE SAME INSTALLED THEREIN, AND INFRARED IMAGE ADJUSTMENT DEVICE for which the undersigned has (have):

(a) filed an application for Letters Patent of the United States of America on _____ having Serial No. _____; or

(b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, Matsushita Electric Industrial Co., Ltd. of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar ($1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby convenants that he has (they have) the full right to convey the entire interest herein assigned, and that hehas (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: July 4, 2001, Tsuyoshi Mekata
Tsuyoshi MEKATA

Date: July 4, 2001, Taro Imagawa
Taro IMAGAWA

Date: July 4, 2001, Koji Morikawa
Koji MORIKAWA

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____